

THIRTEENTH EDITION.

APRIL 1861.

DESCRIPTIVE CATALOGUE

OF

PHOTOGRAPHIC APPARATUS & CHEMICAL PREPARATIONS,

MANUFACTURED AND SOLD BY

FREDERICK J. COX,

OPTICIAN, &c.

22 SKINNER STREET, SNOW HILL,

LONDON, E.C.

ESTABLISHED 130 YEARS.

Orders from the Country or Abroad to be accompanied by a remittance in Cash, or Reference for Payment in London. Post-Office Orders to be made payable to Frederick Cox, at the General Post Office.

COMPLETE SETS OF APPARATUS.

No. 1. Set of Apparatus for the Collodion process, for taking views $4\frac{1}{4} \times 3\frac{1}{4}$ inches, including a camera with achromatic lens in brass tube, focussing glass, and a slide to hold the prepared plates, camera stand, gutta-percha bath and dipper, glass plates in box, iodized collodion, nitrate-of-silver bath, developing solution, fixing solution, varnish, and book of instructions, packed in box £2 2 0

No. 2. Apparatus for the Collodion process, including an expanding camera with double achromatic lens to take portraits or views, $4\frac{1}{4} \times 3\frac{1}{4}$ inches, tripod stand, gutta-percha bath and dipper, plate box and plates, glass measure, glass funnel, scales and weights, collodion, nitrate-of-silver bath, developing solution, fixing solution, and varnish, in glass-stoppered bottles, litmus paper, and book of instructions, packed in a strong box £3 3 0

No. 3. Apparatus and Chemicals same as No. 2, but adapted for pictures up to $6\frac{1}{2} \times 4\frac{1}{4}$ inches £5 5 0

No. 4. SUPERIOR polished Camera for the Collodion process, with double achromatic lens of the best quality, arranged for both views as well as portraits; capable of producing portraits up to $4\frac{1}{4} \times 3\frac{1}{4}$ inches, and views up to 5×4 inches,

including tripod stand, gutta-percha bath and dipper, plate box, glass measure, funnel, printing frame, albumenized paper, porcelain pan, iodized collodion, nitrate of silver, protosulphate of iron, cyanide of potassium, glacial acetic acid, nitric acid, pyrogallie acid, hyposulphite of soda, gold solution, formic acid, nitrate of lead, and amber varnish, glass plates, scales and weights, all of the best quality, complete in case with separate divisions for bottles, and lock and key £5 5 0

No. 5. PORTABLE SET OF APPARATUS SUITABLE FOR TOURISTS, taking landscapes up to 7×6 inches, consisting of a polished mahogany folding camera fitted with guaranteed lens in brass mounting, with stops, &c.; the camera made with sliding front, dark slide and focussing screen, tripod stand, gutta-percha bath and dipper, plate box and plates, porcelain pans, glass measure, funnel, printing frame, scales and weights, prepared paper, and all the necessary chemicals, packed in case complete £9 9 0

No. 6. APPARATUS the same as No. 4, but adapted to take portraits up to $6\frac{1}{2} \times 4\frac{3}{4}$ inches, and views up to 7×6 inches, consisting of a double achromatic lens of the *best quality* arranged for both portraits and landscapes, with a mahogany expanding camera, dark slide and focussing screen, tripod stand, printing frame, bath and dipper, two plate boxes, and twenty-four plates, two glass measures, two funnels, glass rod, set of scales and weights, packet of albumenized paper, two porcelain pans, and all the necessary chemicals, including iodized collodion, nitrate of silver, pyrogallie acid, acetic acid, &c. £9 9 0

No. 7. PORTABLE APPARATUS, arranged for taking views up to 10×8 inches, fitted with *guaranteed* lens, mounted in brass tubes, with rackwork adjustments, dark slide, sliding fronts to camera, tripod stand, bath and dipper, plate box and plates, large and small measures, funnels, porcelain pans, scales with glass pans, and weights up to 1 oz., prepared paper and chemicals, including collodion, nitrate of silver, iodide of potassium, pyrogallie acid, chloride of gold, varnish, filtering paper, and every requisite for the whole process £18 18 0

No. 8. APPARATUS the same as No. 4, but arranged for portraits or views up to $8\frac{1}{2} \times 6\frac{1}{2}$ inches, with *guaranteed* lens, in brass rackwork mounting, mahogany expanding camera, tripod stand, printing frame, scales and weights, &c., and all necessary chemicals for the positive and negative Collodion process, packed in a strong case £18 18 0

No. 9. A COMPLETE SET OF APPARATUS adapted for taking portraits by the Collodion process, up to $8\frac{1}{2} \times 6\frac{1}{2}$ inches, and views by the collodion or waxed-paper process, 9×7 inches, with best mahogany expanding camera, dark slide for collodion pictures, and four frames for holding the plates, dark slide for views on paper, and focussing screen, with a double combination achromatic lens of the *best quality*, mounted in brass with rackwork, to adapt for both views as well as portraiture, camera stand, dipping bath, printing frame, porcelain washing pans, scales and weights, glass measures, funnels, glass plates, rods, and a full supply of waxed and iodized, albumenized, salted, and filtering papers, nitrate of silver, iodide of potassium, gallic acid, pyrogallie acid, iodized collodion, hyposulphite of soda, glacial acetic acid, amber varnish, &c.; the apparatus packed in a strong case, with lock and key, the chemicals in a separate cabinet £26 0 0

F. J. Cox recommends the sets Nos. 4, 5, 6, 7, 8, and 9, as being of the very best quality, and with them (if required) a picture taken by the Instrument will be sent. They are packed in cases with compartments for the bottles, &c. (See wood-cut on the wrapper of this Catalogue.)

STEREOSCOPIC SETS.

No. 1. SET OF APPARATUS for taking Stereoscopic pictures, consisting of a walnut camera, mounted on table with beech screw, double-combination achromatic lens, tripod stand, bath and dipper, plate box and plates, glass measure, funnel, scales and weights, collodion, nitrate-of-silver bath, developing solution, fixing solution and varnish, in glass-stoppered bottles, litmus test paper, and book of instructions, the whole packed in box £4 0 0

No. 2. SUPERIOR French-polished mahogany camera, fitted with a *best* double-combination achromatic lens, made with stop and adapter, for landscapes as well as portraiture, mounted on a mahogany table with parallel lath, as *fig. 10*, capable of taking both stereoscopic pictures and ordinary portraits up to $4\frac{1}{4} \times 3\frac{1}{4}$ inches, and views 5×4 inches, with a mahogany tripod stand, gutta-percha bath and dipper, plate box and plates, positive and negative collodion, nitrate of silver, chloride of gold, and all the necessary apparatus and chemicals, warranted of the best quality, with a book of instructions, the whole packed in case, with separate divisions for bottles, &c. £7 7 0

No. 3. MODEL TOURISTS' stereoscopic camera for the dry process, *fig. 13*, with six dark slides, landscape lens, stand, focussing screen, plate box and plates, chemicals for the albumenized collodion process, and for printing on paper, including a pressure frame, scales and weights, glass measures, pans, &c. &c. £9 9 0

Full practical instructions given to purchasers of complete sets; or if residing in the country or abroad, any further information than what is contained in the *Compendium of Photography* will be sent by letter.

ACHROMATIC LENSES FOR PHOTOGRAPHY.

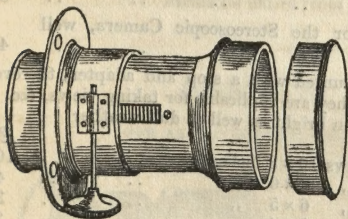


Fig. 1.

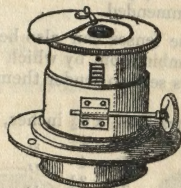


Fig. 2.

The lenses chiefly used for Photographic purposes are the *meniscus*, the *single achromatic*, the *double achromatic*, and the *achromatic triplet*.

For PORTRAITS, or objects that are likely to move, the double achromatic must be used; they are more rapid in their action, and consequently a shorter time of exposure of the sensitive plate or paper in the camera will be required.

For LANDSCAPES the single achromatic is best, and are used with a stop or diaphragm to contract the rays of light; the smaller size is for use in bright sunshine, or when the points of the landscape are at a very considerable distance from each other. In all cases where the time of exposure is not an object, such as copying pictures, maps, &c., they are preferable to the double achromatic. The meniscus lens is now but seldom used; it is only useful for still life, and will require an

allowance to be made after the focus has been obtained, as the chemical and visual foci of these lenses do not coincide.

For ARCHITECTURAL purposes, or copying maps or drawings, the triplet is a very great improvement over the single achromatic; the difference is especially seen in copying, as the whole of the map or drawing is in perfect focus, even up to the extreme corners.

The Double Achromatic, *fig. 1*, although arranged for Portraiture, can be adapted for Landscape purposes by removing the back combination, and placing a diaphragm in front of the cemented first pair of lenses; or if required for Groups, where rapidity is an important consideration, by placing a stop or diaphragm between the two sets of achromatic combinations: for which purpose Waterhouse's arrangement of diaphragms is recommended.

PORTRAIT COMBINATIONS,

OF OUR OWN MANUFACTURE.

DOUBLE ACHROMATIC LENS, consisting of a combination of four glasses securing perfect achromatism, coincidence of the rays, and flatness of field; in brass rackwork mountings of the best quality (MAKER'S NAME ENGRAVED). *Fig. 1*.

For Portraits 10 × 8 inches, with lenses 4 inches diameter, very quick,	£	s.	d.
and giving extremely clear pictures up to the edges	21	0	0
For Portraits 8½ × 6½ inches*	9	0	0
" 6½ × 4¾ " *	4	0	0
" 5 × 4 " *	3	0	0
" 4¼ × 3¼ " *	1	18	0
" 3¼ × 2¾ " * Lockets, &c.	1	8	0

A pair of small lenses suited for the Stereoscopic Camera, <i>fig. 9</i> , both of which can be guaranteed to be of the same focus and rapidity of action	3	3	0
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A pair of ¼-plate lenses adapted for the Stereoscopic Camera, well recommended	4	4	0
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These lenses can also be had mounted with a stop and adapter, to reverse the front combination, by which means they are applicable for taking views, &c. There are stops sent to render them useful in bright as well as dull weather.

For Portraits 8½ × 6½ inches, and Views 10 × 8 inches	£	s.	d.
" 6½ × 4¾ " " 8 × 6 "	10	10	0
" 5 × 4 " " 6 × 5 "	4	10	0
" 4¼ × 3¼ " " 5 × 4 "	3	10	0
" 3¼ × 2¾ " " 4 × 3 "	2	2	0

SECOND QUALITY.

Portrait combinations of good average quality, the chemical and visual focus being corrected, with rackwork adjustments.

For Portraits up to 8½ × 6½ inches	6	6	0
" 6½ × 4¾ "	2	15	0
" 4¼ × 3¼ "	1	5	0

Even cheaper can be had, but F. J. C. will not hold himself answerable for their action. Whole size, 5*l.* 5*s.*; half size, 2*l.* 2*s.*; quarter size, 1*s.*

* These lenses can be had with Waterhouse's shifting diaphragm, between the combinations for groups, or where depth of focus is especially desired; the additional cost will be 20*s.*, 17*s.* 6*d.*, 15*s.*, 12*s.* 6*d.*, and 10*s.* 6*d.* respectively.

LANDSCAPE LENSES.

CONSISTING OF AN ACHROMATIC COMBINATION IN BRASS MOUNTINGS, WITH
STOPS FOR REGULATING THE LIGHT. *Fig. 2.*

			With rackwork adjustments.			In plain sliding tubes.		
			£	s.	d.	£	s.	d.
$1\frac{3}{8}$	inches diameter, for Stereoscopic Pictures.....		1	1	0	0	15	0
$1\frac{3}{4}$	" for Pictures 5 × 4 inches		1	10	0	1	0	0
$2\frac{1}{4}$	" ditto 8 × 6 "		2	10	0	2	0	0
3	" ditto 10 × 8 "		4	10	0	3	15	0
$3\frac{1}{2}$	" ditto 12 × 10 "		7	10	0	6	15	0
4	" ditto 15 × 12 "		10	10	0	9	10	0
5	" ditto 18 × 16 "					16	16	0

A pair of twin lenses, 5-inch focus, in brass sliding tubes, for the
Stereoscopic Camera, *fig. 9* 1 11 0

Ditto, with rack and pinion adjustments 2 5 0

A pair of 5-inch focus lenses will be found the most generally useful, but there are occasions when it is impossible to get sufficient distance from the object to include all the subject on the stereoscopic plate; in which case a pair of short focus (4-inch) will effect the purpose; they can be had mounted in cells to screw into either the above mountings, packed into a neat leather case, at an additional cost of 25s.

The foregoing lenses are confidently recommended as the best that can be produced, possessing the greatest rapidity of action, and giving a clear and sharp definition. The visual and chemical focus is also warranted to coincide.

Achromatic lenses unmounted, from 5s. to 3l. each.

Meniscus lenses from 2s. to 10s. each.

ACHROMATIC TRIPLET,

FOR ARCHITECTURAL OR COPYING PURPOSES.

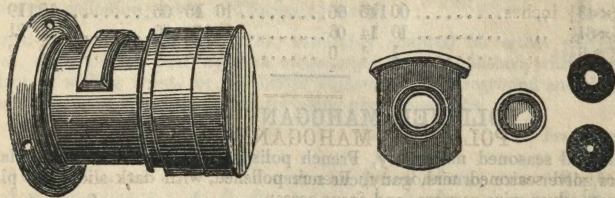


Fig. 3.

This combination has been especially designed for avoiding the evils of distortion and bad marginal definition: it consists of a pair of cemented achromatic lenses, with a concave or dispersing lens placed between them; the time of exposure required is slightly longer than with the single achromatic; but as they are now arranged, the operator can remove the front lens and also the central concave, whereby the back

lens is available in the same manner as the single achromatic; while, by retaining the two achromatic combinations without the central concave, it is converted into a useful, quick-acting, portrait lens, especially suitable for groups.

They are mounted in a strong brass tube, with diaphragms between the lenses, and constructed so as to enable the operator to remove or alter the stop without unscrewing the glasses. *Fig. 3.*

				£ s. d.		
No. 0 for Pictures up to	4 × 3 inches	..	..	..	2	0 0
1	5 × 4 "	..	..	..	2	10 0
2	8 × 6 "	..	..	..	4	10 0
3	10 × 8 "	..	..	..	7	0 0

CAMERAS.

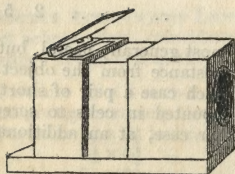


Fig. 4.

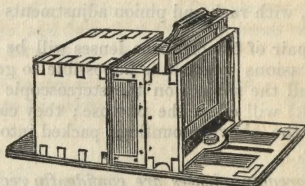


Fig. 5.

EXPANDING CAMERAS, *fig. 4*, are made either vertical or square; the latter shape is for the purpose of taking the collodion plate either in a horizontal or vertical direction, for groups, &c.

WALNUT-WOOD CAMERAS.

For Pictures up to	Vertical, one dark slide.			Square, two dark slides.			Square, polished.		
	£	s.	d.	£	s.	d.	£	s.	d.
4½ × 3½ inches	0	10	6	0	15	6	0	19	0
6½ × 4½ "	0	14	6	1	4	6	1	11	6
8½ × 6½ "	1	1	0	1	12	6	2	2	0

POLISHED MAHOGANY CAMERAS.

Made of good seasoned mahogany, French polished, with dark slide, two plate carriers, silver-wire corners, and focus screen.

For Pictures up to	£	s.	d.
4½ × 3½ inches	0	14	0
5 × 4 "	0	18	0
6½ × 4½ "	1	5	0
8½ × 6½ "	2	0	0

These Cameras are made with an expanding body, and recommended as a good serviceable article for indoor use.

BEST-MADE MAHOGANY CAMERAS.

French polished, with expanding body, one dark slide, two carriers for plates, and focussing screen.

For Pictures up to	Vertical.	Square.
	£ s. d.	£ s. d.
5 × 4 inches	1 3 0	1 15 0
6½ × 4¾ „	1 12 6	2 6 0
7 × 6 „	2 0 0	2 12 6
8½ × 6½ „	2 10 0	3 3 0

SPANISH-MAHOGANY CAMERAS.

Of the very best materials and workmanship, with rising fronts for regulating the amount of foreground and sky without slanting the camera, by which means the perpendicular lines are retained without distortion. *Fig. 5.*

The bottom board folds up, and for portability an extra groove is made to carry the focus screen.

For Pictures up to	Vertical or Horizontal.	Square.	Brass Binding extra.
	£ s. d.	£ s. d.	£ s. d.
9 × 7 inches	4 4 0	5 5 0	1 4 0
10 × 8 „	5 0 0	6 6 0	1 7 6
11 × 9 „	6 6 0	7 15 0	1 12 6
12 × 10 „	7 7 0	9 0 0	1 15 0
15 × 12 „	9 9 0	11 11 0	2 0 0
18 × 16 „	15 0 0	17 17 0	2 5 0

These prices include one dark slide, three inner carriers for collodion plates, and focus screen; if required for tropical climates, brass binding is recommended.

FOLDING CAMERAS,

AND SLIDING-BODY FOLDING CAMERAS.

FOLDING MAHOGANY CAMERAS, with double-action sliding fronts, one dark slide, two holders for collodion plates, and focussing screen.

SLIDING-BODY FOLDING CAMERAS, admirably adapted for either portraits or landscapes, made of the best *Spanish mahogany*, French polished, with a vertical and horizontal sliding front, for the better adjustment of foreground and sky, dark frame and holders for collodion plates, focussing glass, complete.

	Plain Folding.	Sliding Body.	Brass Bindings.
	£ s. d.	£ s. d.	£ s. d.
7 × 6 inches	3 0 0	4 0 0	5 0 0
9 × 7 „	4 0 0	5 5 0	6 10 0
10 × 8 „	5 0 0	6 6 0	7 10 0
12 × 10 „	6 6 0	8 10 0	10 0 0
15 × 12 „	8 8 0	11 10 0	13 10 0
18 × 16 „	12 12 0	18 0 0	21 0 0
24 × 22 „	17 17 0	24 0 0	27 10 0

If required for India or the Tropics, brass-bound cameras are recommended.

SOLID LEATHER SLING CASES with straps for folding cameras.

	£	s.	d.
Best leather sling case to contain the camera and slides for pictures up to 7 x 6 inches	1	5	0
„ for pictures 9 x 7 inches	1	12	0
„ for pictures 12 x 10 inches	2	10	0

Larger sizes to order.

Leather sling cases for lenses only, 10s., 15s., 17s., and	1	0	0
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BELLOWS CAMERA.

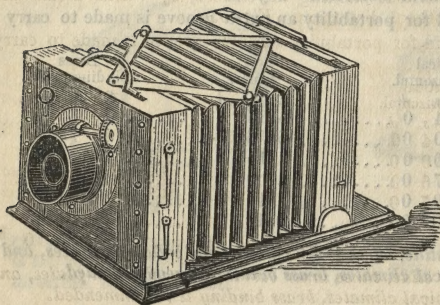


Fig. 6.

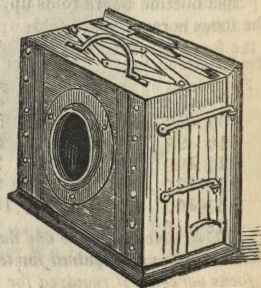


Fig. 7.

BELLOWS CAMERA, made of best Spanish mahogany, sliding front, dark slide, focus glass, and two carriers for plates; the camera square to take the picture, either vertical or horizontal, bottom board hinged to fold up when travelling, an extra groove to carry the ground glass; all of the very best workmanship and materials.

	£	s.	d.
For Views up to 9 x 7 inches	6	10	0
„ 10 x 8 „	7	10	0
„ 12 x 10 „	10	0	0
„ 15 x 12 „	14	0	0

Fig. 6 shows the general form of this camera, which FREDERICK J. COX particularly recommends. There are a set of rods to insure rigidity and freedom from tremor; when closed, and the bottom board folded as fig. 7, it may be put into a leather case if required.

LOCKET CAMERA.

Made of good seasoned mahogany, with square dark slide, and carrier for plate, focus screen, &c., and fitted with a portrait lens of the best quality £2 0 0

CARTE DE VISITE CAMERA.

F. J. Cox has introduced a camera especially designed for these portraits; the dark slide is so contrived that four negatives are taken with one lens on a glass $8 \times 5\frac{1}{2}$ inches; it is extremely simple to work, and can be well recommended (see page 31). Price, with best-quality lens £5 15 6

COPYING CAMERAS.

COPYING CAMERAS are of two descriptions: the simplest form is intended for copying pictures, prints, &c., either smaller than the original, same size, or a trifle larger; these are termed simple *copying cameras*. There is also another description, styled *enlarging cameras*, made with a double-expanding body at each end. They can be used either for reducing or enlarging negatives, or for producing transparent positives, either on ground or opal glass. (For further information see *Photographic Tourist*.) The lens best adapted for this purpose is the *achromatic triplet*, but the single achromatic may be used.

MAHOGANY COPYING CAMERA, with great length of focus, two openings for dark slide, focus screen, plate-holder and carriers.

	£	s.	d.
For Pictures 5×4 inches	1	11	6
„ 8×6 „	3	3	0
„ 10×8 „	5	0	0

ENLARGING CAMERA, consisting of a mahogany case, with sliding body at each end. This camera will enlarge a picture $3\frac{1}{4} \times 2\frac{3}{4}$ inches up to 5×4 inches, or reduce in the same proportion; it is also intended, when the lens is placed in the central compartment, for the production of transparent positives: with focus screen, dark slide, and carriers for negatives £3 0 0

Ditto for Pictures up to 8×6 inches	4	10	0
„ 10×8 „	7	10	0

They can be made cheaper, of a commoner description: the above are the best of the kind.

SOLAR CAMERA.

The camera invented and patented by Mr. Woodward is intended to produce life-size portraits, &c., from a small negative, or for enlarging views, &c. Price, with 9-inch condensing lens £15 0 0

STEREOSCOPIC CAMERAS.

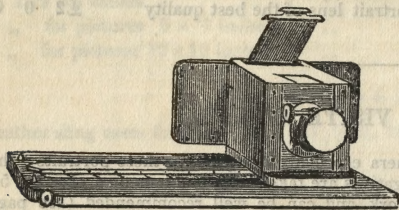


Fig. 8.

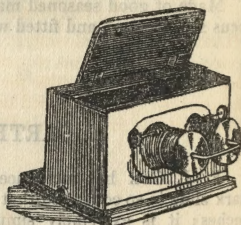


Fig. 9.

STEREOSCOPIC CAMERAS are made on two principles, *figs. 8 and 9*. The instrument *fig. 8* has only one lens, but the camera is mounted on a lath, which allows it to slide from the right to the left; the prepared collodion plate is placed in a dark slide, which also has the same movement. By this means one picture of a view is first taken; the camera is then moved to the other end of the bar, and the second picture is obtained.

PLAIN WALNUT CAMERA, with dark slide for stereoscopic glasses, mounted on beech table, with wood-adjusting screw, as described by Latimer Clark, with portrait lens complete £2 15 0

SUPERIOR FRENCH - POLISHED MAHOGANY CAMERA, on mahogany table, with parallel bar allowing a motion of 14 inches, or less if required, fitted with a *best-quality* achromatic portrait lens of our own manufacture, *fig. 8* £4 10 0

Ditto, with extra dark slide to take ordinary collodion portraits and views up to 5 x 4 inches, fitted with a *best-quality* lens, mounted with stop and adapter, for views and portraits £5 5 0

Fig. 9 represents a twin lens or binocular camera, and when instantaneous pictures are required, or in any cases where rapidity of exposure is an important object, it is the correct form of instrument to employ; both the caps of the lenses being removed at the same time, there is no possibility of the subject moving before the second picture is obtained.

* TWIN LENS MAHOGANY CAMERA, with a pair of small aperture double achromatic lenses, *best quality*, for portraits; the camera made of mahogany, with dark slide and focus glass, *fig. 9* £4 0 0

* Ditto, with two large aperture portrait lenses, with stops, recommended as the very best that can be produced £6 0 0

MAHOGANY CAMERA, with two single achromatic lenses in brass sliding tubes, for landscapes, &c. £2 15 0

* A pair of landscape lenses, in brass mountings, to screw into the same flange, can be fitted to either of these cameras, at an additional cost of 1*l.* 11*s.* 6*d.*; and a leather sling case, to preserve them from injury, will be 12*s.* 6*d.*

SPANISH-MAHOGANY CAMERA, with double-action rising front, having also a movement to separate the lenses according to the distance of the view, mounted with a pair of very best landscape lenses, rackwork adjustments, diaphragms, &c. .. £5 5 0

BINOCULAR STEREOSCOPIC CAMERA, fitted with a pair of *best-quality* view-lenses for stereoscopic pictures 4 inches square; the camera made of the best seasoned mahogany, with a dark slide for holding a plate $9 \times 4\frac{1}{2}$ inches, so constructed that the collodion film can be placed next the back shutter or not at discretion, producing pictures suitable for Sutton's Portable Reflecting Stereoscope .. £6 0 0

CAMERA STANDS.

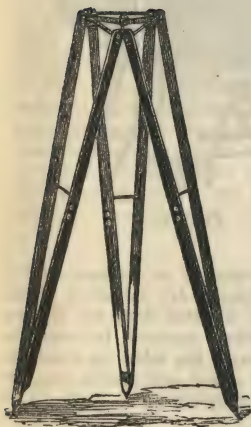


Fig. 10.

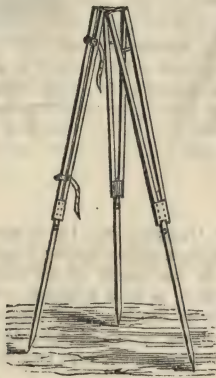


Fig. 11.

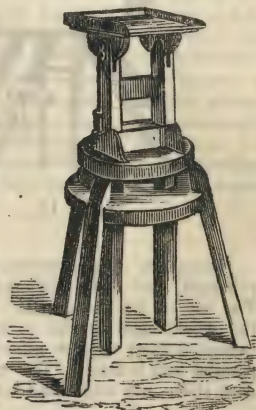


Fig. 12.

	£	s.	d.
TRIPOD STAND, with mahogany legs and top, 3 ft. 6 in. high ..	0	7	6
Ditto, 4 feet ..	0	10	0
Ditto, 4 feet 6 inches ..	0	13	0
*FIRM ASH STAND, with triangular metal top, and stretchers for legs, forming a firm and portable stand for cameras up to stereoscopic or half size, <i>fig. 10</i> ..	0	15	0
Ditto, larger size, 20s. to ..	1	10	0
*JOINTED TRAVELLING STAND, with metal top and stretchers for legs, very secure and compact. <i>Fig. 11</i> represents this stand when open ..	1	1	0
COMMON TRIPOD STAND, with table top ..	0	6	6
STANDS for operating-room, with rack for elevating and depressing, with table-top in white wood, <i>fig. 12</i> ..	0	18	6
Ditto, in oak ..	1	4	0
Ditto, best quality, with curved legs ..	1	10	0

* Recommended for out-door work.

TOURISTS' STEREOSCOPIC CAMERAS.

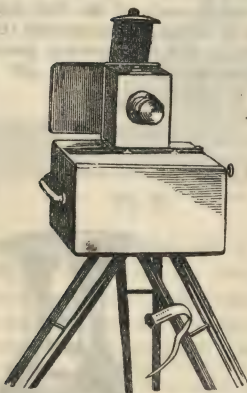


Fig. 13.

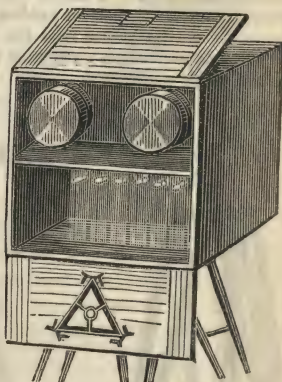


Fig. 14.

TOURISTS' STEREOSCOPIC CAMERA, fig. 13, is constructed on Latimer Clark's principle, and made with six dark slides to carry prepared dry collodion plates. The top of the stand packs in the inside of the case, together with the camera, the whole exterior size of which is 11×9 inches. When required for use, the camera is fixed on the outside of the box, and that forms the table, on which the parallel lath is fitted. The camera, mounted with *best single achromatic lens*, six dark slides, ash stand, and metal triangular top, packed complete .. £6 10 0

***TOURISTS' STEREOSCOPIC CAMERA,** for either the wet or dry collodion process, the camera of mahogany with one dark slide, *best single achromatic lens*, tripod stand, tight top bath, and dipper, bottles for holding the necessary chemicals, tripod stand, and 1 doz. glass plates, the whole apparatus packing in a case similar to fig. 13; the case has divisions inside for the glass plates or finished pictures; price complete, with stand and water bottle £6 6 0

BINOCULAR TOURISTS' STEREOSCOPIC CAMERA, fig. 14. This is a simple and portable form of camera for the wet collodion process; the upper portion of the packing-case forms the body of the camera, and the lower compartment carries the bath, and a supply of chemicals for a day's use.

The price of the camera, with a pair of twin lenses, one dark slide, water-tight gutta-percha bath, chemical bottles, &c., and light but firm stand, the whole of which pack into a mahogany case, 10×8 inches and 9 inches deep, weighing under $7\frac{1}{2}$ lbs. £7 0 0

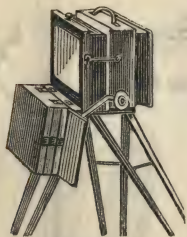


Fig. 15.

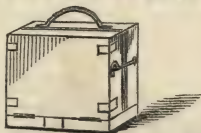


Fig. 16.

BINOCULAR STEREOSCOPIC CAMERA, *fig. 15*, introduced by **FREDERICK J. COX** as the most portable and convenient of the many forms that are now made. It consists of a mahogany case, with a sliding body at each end; the front division is propelled by an endless screw, worked for convenience by a winch handle at the side, and by which means the focus is readily adjusted. The dark slides are carried in a small box hinged to the bottom board, and when in use turns down at the back of the camera.

The advantages claimed for this instrument are, **EXTREME PORTABILITY**, it weighing only $3\frac{1}{2}$ lbs. including three double backs carrying six collodion plates: **FACILITY OF USE**, requiring no tedious unpacking or arrangement, as is the case with many folding and bellows-body cameras, and being made *entirely of mahogany*, it is at once durable and firm; when closed, as *fig. 16*, it measures $7\frac{3}{4}$ inches by 5 inches, and $5\frac{3}{4}$ inches deep. The price, with a pair of the best-quality achromatic lenses, stops, &c., complete, is

£7 7 0

PLATE BOXES.

	In Walnut, for 12 plates.		In Deal, for 25 plates.		In Deal, for 50 plates.		In Tin, for 12 plates.	
	s.	d.	s.	d.	s.	d.	s.	d.
$2\frac{1}{2} \times 2$ inches	1	0	1	3	1	8		
$3\frac{1}{4} \times 2\frac{3}{4}$ „	1	2	1	6	2	0		
$4\frac{1}{4} \times 3\frac{1}{4}$ „	1	4	1	8	2	3	3	0
5×4 „	1	10	2	0	3	0	4	0
$6\frac{1}{2} \times 4\frac{3}{4}$ „	2	3	2	6	3	6	4	6
$8\frac{1}{2} \times 6\frac{1}{2}$ „	3	0	3	6	4	0	8	0
9×7 „	5	6	5	0	6	3	9	0
10×8 „	6	6	6	3	8	3	12	6
12×10 „	8	6	7	3	10	6	15	0
Stereoscopic	2	9	2	4	3	0	4	6
„ Deal for 12 plates, 1s. 9d.								

FIELD BOXES.

Made of pine, with divisions to hold chemical bottles sufficient for one day's use, a grooved-division case for glass plate, made of gutta percha, and so arranged that the moisture may evaporate from the finished picture.

		£	s.	d.
Price for 7×6 size, about		1	10	0
„ 9×7 „		1	15	0
„ 10×8 „		2	0	0

PRESSURE FRAMES.



Fig. 20.

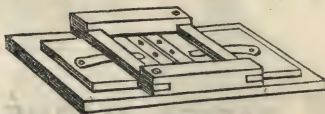


Fig. 21.

PRESSURE FRAMES with jointed backs, for viewing the development of the picture without disturbing the paper, the cross-bars fitted with springs for equal pressure, *fig. 20*.

		Plain Ash.		Best Quality. Polished Mahogany.	
		s.	d.	s.	d.
For Stereoscopic plates	.....	4	0	7	0
Ditto, for plates	6 × 5 inches	4	0	7	0
„	8 × 6 „	5	6	9	0
„	10 × 8 „	7	6	12	6
„	12 × 10 „	12	6	20	0
„	17 × 14 „	20	0	40	0

The 10 × 8 inches and larger sizes, may be had with the bars placed in a longitudinal direction (by this means they are more available for printing from several small negatives at one time), at 1s. each extra.

PRESSURE FRAME, common form, for printing Stereoscopic pictures on paper, *fig. 21*, 2s. each; 18s. per doz.

VIGNETTE GLASSES.

These glasses are intended to produce the Vignette style of printing, either on paper or glass positives: they are made of two descriptions, viz. opaque centres and transparent centres; those with a transparent centre are for printing on paper; they are simply to be laid outside the pressure frame. The opaque centre is intended to be laid in the dark slide of the camera after the plate has been exposed, but before it is developed; a momentary exposure to daylight is sufficient to solarize the edges of the plate without interfering with the body of the picture.

		Transparent.		Opaque.				Transparent.		Opaque.	
		s.	d.	s.	d.			s.	d.	s.	d.
2½ × 2	inches	0	10	1	4	6½ × 4½	inches	2	0	2	8
3½ × 2½	„	1	0	1	6	8½ × 6½	„	2	6	3	6
4½ × 3½	„	1	4	2	0	Stereoscopic	.....	2	3		
5 × 4	„	1	8	2	3	Carte de Visite	.....	1	8		

GUTTA-PERCHA TRAYS.

	s.	d.		s.	d.
5 × 4 inches (inside measure)	1	0	12½ × 10½ inches (inside measure)	7	0
8½ × 6½ " " "	2	3	19¼ × 14¼ " " "	18	0
12½ × 9½ " " "	4	6			

PAPIER-MÂCHÉ TRAYS.—DEEP.

	£	s.	d.
13 × 11 inches, 3 inches deep	0	10	6
17 × 13 " 3½ " "	0	18	0
24 × 19 " 4 " "	1	4	6

DIPPING BATHS.

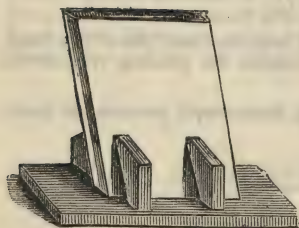


Fig. 22.



Fig. 23.

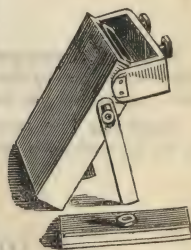


Fig. 24.

For Plates.	Gutta Percha, mahogany back.	Glass Bath, mahogany stand.	Gutta Percha, with tight top, mahogany legs.	Glass Bath, tight top, in mahogany case
	s. d.	s. d.	s. d.	£ s. d.
4¼ × 3¼ inches	1 9	3 6	..	..
5 × 4 " "	2 6	..	..	..
6½ × 3¼ " "	3 0	5 0	7 6	1 1 0
6½ × 4¾ " "	3 0	5 0	8 0	1 6 0
8½ × 6½ " "	5 0	6 0	12 0	1 16 0
10 × 8 " "	8 0	10 0	15 0	2 5 0
12 × 10 " "	12 0	15 0	20 0	3 3 0
15 × 12 " "	18 0	..	35 0	..

Glass Dippers, to use with the above, 4d., 6d., 9d., and 1s.
Gutta Percha ditto 6d., 9d., and 1s.

PLATE-HOLDERS, &c.

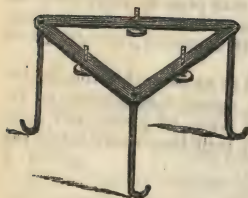


Fig. 25.

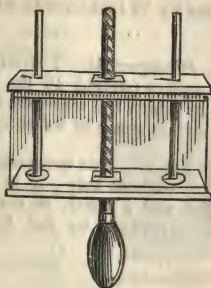


Fig. 26.

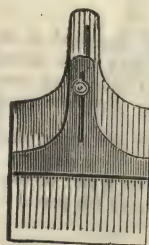


Fig. 27.



Fig. 28.

LEVELLING STANDS, with three
adjusting screws, *fig. 25* ..

s. d.
3 0
4 0

Ditto, for large size ..
SCREW PLATE-HOLDER. *fig. 26*,
to hold plates whilst cleaning,

up to $6\frac{1}{2} \times 4\frac{3}{4}$ 4 6
Ditto 10×8 5 6

PLATE-HOLDERS, *fig. 27*, for all
sizes up to $6\frac{1}{2}$ in. \times $4\frac{3}{4}$ inches

s. d.
3 6
4 0

Ditto, for plates up to 10×8 in.

PNEUMATIC PLATE HOLDERS,
for developing, fixing, &c. ..

1 6

LEVER PNEUMATIC HOLDERS,
fig. 28

2 6

Ditto, large size

3 6

TENTS.

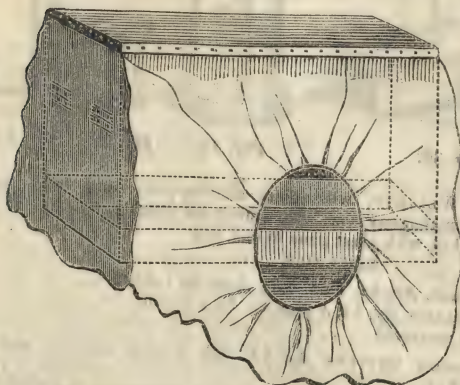


Fig. 29.

PHOTOGRAPHIC TENT, consisting of a wood tray 22 inches by 12 inches, fixed on a tripod stand, *fig. 29*; it is provided with a cover lined with yellow calico impervious to light, and made to clasp round the body by means of an elastic India-

rubber band: when closed, the cover goes inside, and the top of the tent forms a lid to the tray £1 10 0

Ditto, best quality, 27 inches by 16 inches, with water-sink and waste-pipe £2 5 0

Ditto, as described in the *Photographic Tourist*, the whole packing into a case 3 feet long by 5 inches square (weight 16 lbs.), with pipe to carry away the waste water: the outer case in which the tent packs is so contrived that it forms the operating table, and gives a clear space of 3 feet by 18 inches £3 10 0

SUTTON'S WHEELBARROW TENT. This is arranged so as to enable the Tourist to convey all his apparatus, &c. without help; it is a square tray similar to *fig. 29*, fitted with a pair of handles and a wheel, is easily taken to pieces, and packs up into a small flat parcel for conveyance by rail, &c.: including water-bottle and sink £3 10 0

SCALES, WEIGHTS, MEASURES, &c.

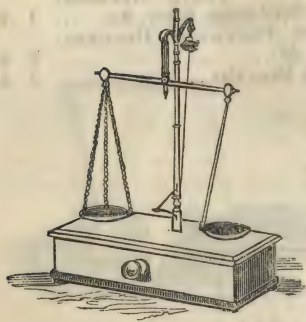


Fig. 30.

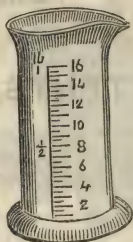


Fig. 31.



Fig. 32.

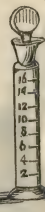


Fig. 33.



Fig. 34.

		£	s.	d.
Scales AND WEIGHTS, with glass shifting-pans and brass pillar, mounted on mahogany box, with drawer for weights, <i>fig. 30</i>		1	8	6
Scales and weights, with glass pans in oak box		0	4	6
Ditto brass pans		0	2	6
GLASS MEASURES, <i>fig. 32</i> , 1 oz. 9d.; 2 oz. 1s.; 4 oz.		0	1	4
Cylindrical Measures, <i>fig. 31</i> , ½ pint, 2s. 3d.; 1 pint		0	3	0
Minim or drop measures		0	0	8
GLASS COLLODION BOTTLES, <i>fig. 32</i> , with ground stoppers and lip, 1 oz. 1s.; 2 oz.		0	1	4
Ditto, graduated to prevent the trouble of measuring the Collodion when mixing, &c. 1 oz. 1s. 3d.; 2 oz. 1s. 6d.; 4 oz. 2s.; 8 oz.		0	3	6
FUNNELS, glass, <i>fig. 34</i> , 2 in. 3d.; 3 in. 6d.; 4 in. 8d.; 6 in.		0	1	0
Ditto, gutta percha, 2 in. 4d.; 3 in. 6d.; 4 in. 8d.; 5 in.		0	1	0
Funnel Holders, or Retort Stands, 2s., 3s. 6d.		0	5	0

STILLS AND FILTERS.

MODEL STILL, consisting of a copper retort to hold one quart, with argand lamp, and japanned worm tub, fit for use in any apartment, *fig. 35*, 42s.

STILL for placing over a common fire, the retort of copper to hold one gallon, 42s.

Ditto, ditto, two gallons, 55s.

STILL, with tin retort, to hold one gallon, 16s.

Ditto, two gallons, 23s.

STONE FILTER, to filter one gallon, with porcelain tap, 10s. 6d.



Fig. 35.

STEREOSCOPES.

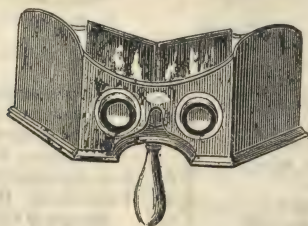


Fig. 36.

	£.	s.	d.
LENTICULAR STEREOSCOPE , made of mahogany, with prismatic lenses	0	3	0
Made with hinged top for cleaning the glasses, and door, on which is fixed a reflector for throwing light on the picture	0	6	0
Best quality mahogany	0	9	6
Walnut-wood, with hinged top, door, and reflector	0	9	0
Best quality walnut-wood	0	12	6
Zebra-wood lenticular stereoscope of the best finish, with spring top, door, and reflector	0	16	0
Achromatic stereoscope, with adjustments similar to an opera or race glass	1	16	0
REFLECTING STEREOSCOPE , as described by Mr. Sutton in the <i>Photographic Notes</i> , for exhibiting pictures 4 inches square, made of mahogany, with plain (whole) lenses	1	6	0
Ditto, with ground-glass screens and handle, <i>fig. 36</i>	1	16	0
Ditto, best quality, walnut-wood with achromatic lenses	2	12	6

The want of a suitable Stereoscope for exhibiting pictures larger than the usual instrument will admit has long been felt; the old form of reflecting stereoscope is difficult to use, and is very bulky and unsightly—the present instrument is extremely light and portable, can easily be held in the hand, and if the pictures are properly mounted, will require no adjustment.

A Camera especially suited for obtaining these views will be found described at page 11.

MISCELLANEOUS APPARATUS.



Fig. 37.



Fig. 38.



Fig. 39.

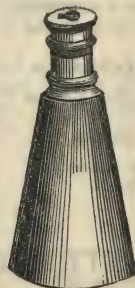


Fig. 40.



Fig. 41.



Fig. 42.

	s. d.		s. d.
ALBUMEN FILTERS, <i>fig. 37, 38.</i>		yellow glass shades; these should	
large	5 0	always be used when it is requi-	
BATH TESTER, for ascertaining the		sitate to employ artificial light for	
quantity of silver in solution,		developing, &c.	3 0
<i>fig. 38, including case</i>	3 6	PINS for suspending paper, per box	1 0
BRUSHES for coating paper	0 4	PREPARING BOARDS for paper	
„ flat camel's hair, 10d.	1 3	process, 9 x 7 inches	2 0
DIAMONDS, glaziers', best, (Ellis)	15 0	Ditto, 7 x 6 inches	1 6
„ writing, 4s. 6d. best	7 6	SILVER WIRE for corners of dark	
FOCUSsing GLASSES, consisting of		slides, per foot	1 0
a combination of lenses, by which		Ditto Hooks for lifting prepared	
means the image is shown erect		plates from bath solution, &c.	
on the ground glass of the cam-		each	1 0
era; very useful for small views		SPECIFIC GRAVITY BOTTLES, 500	
or fine engravings, <i>fig. 40</i>	8 6	grains, in case, with counter-	
Ditto, small size for the pocket,		poise	6 6
very high power, but not erect-		SPIRIT LEVELS, 3 inches long	3 0
ing, mounted in brass, <i>fig. 39</i>	3 6	Ditto, circular	2 6
Ditto, japanned tin	2 6	STIRRING RODS, each 3d.	0 4
FORCEPS for removing paper from		THERMOMETER for ascertaining the	
solutions, boxwood	0 4	temperature of operating-room	1 0
Ditto, horn	1 0	Ditto, best quality	2 0
GLASS SPIRIT LAMPS, with brass-		Ditto chemical, for testing acids. .	6 6
screwed wick-holders, <i>fig. 41,</i>		WATER BOTTLE for tourists, $\frac{3}{4}$ gal.	8 6
1s. 6d., 2s.	3 0	„ „ „ 1 gal.	10 6
JET-BLACK PAPER for mounting		WOOD CLIPS, with springs, for	
glass positives, per sheet	0 2	suspending paper, per doz.	1 0
PESTLES AND MORTARS, glass,		YELLOW AND BLACK CALICO, per	
<i>fig. 42, 1 oz. 1s. 3d., 2 oz. 1s.</i>		yard	0 4
<i>8d., 4 oz.</i>	2 6	YELLOW GLASS for dark room, per	
PHOTOGRAPHIC LANTERN, with		square foot	1 6

PHOTOGRAPHIC PAPERS.

PLAIN PAPER.

	£	s.	d.
CANSON'S Positive, $22\frac{1}{2} \times 17$ inches, per quire ..	0	3	0
Ditto Negative, ditto ..	0	2	9
HOLLINGSWORTH'S PAPER, thin, for developing printing, and salting, or for the calotype, $23 \times 17\frac{1}{2}$ inches, per quire ..	0	3	0
Ditto, per ream ..	2	15	0
PAPIER RIVE, per quire ..	0	3	0
PAPIER SAXE, imported by F. J. Cox direct from the German manufacturer, Positive 23×17 inches, per quire ..	0	3	6
Ditto, per ream ..	3	3	0
TURNER'S Positive Paper, 19×15 inches, per quire ..	0	3	0
Ditto, Negative, ditto ..	0	5	6
BIBULOUS PAPER, perfectly pure, per quire ..	0	1	6
FILTERING, in packets of 100 sheets, 6 in. diameter ..	0	0	9
Ditto, 7 in. diameter ..	0	1	0
Ditto, 10 ..	0	1	3
Ditto, 15 ..	0	1	8

ALBUMENIZED PAPER.

PAPIER SAXE, recommended as a good paper for general use, per ream, 23×27 in. ..	8	8	0
Ditto, per quire ..	0	9	6
Ditto, per dozen sheets ..	0	5	0
Ditto, per sheet ..	0	0	6

HOLLINGSWORTH'S PAPER, $23 \times 17\frac{1}{2}$ inches, slightly albumenized, per quire ..	0	8	0
Per doz. sheets ..	0	4	6
Per sheet ..	0	0	6
STEREOSCOPIC thin paper, <i>highly albumenized</i> ; this is very generally used, and can confidently be recommended: $22\frac{1}{2} \times 17$ inches, per ream	10	10	0
Ditto, per quire ..	0	12	0
Ditto, per dozen sheets ..	0	6	6
Ditto, per sheet ..	0	0	8

SALTED PAPER.

MEZZOTINT SALTED PAPER for the production of artistic Photographs of buildings or views, with directions for use, $22\frac{1}{2} \times 17$ inches, per quire	0	5	6
Ditto, per dozen sheets ..	0	3	0
Ditto, per sheet ..	0	0	4

ARROWROOT PAPER.

Prepared on Papier Saxe, 23×17 , per quire ..	0	6	6
Ditto, per sheet ..	0	0	4

IODIZED, WAXED, AND CALO-TYPE PAPER.

CALOTYPE IODIZED PAPER, 18×11 , per quire ..	0	12	0
Ditto, 11×9 , ditto ..	0	6	6
WAXED AND IODIZED, 18×11 , per dozen ..	0	7	6
Ditto, per sheet ..	0	0	9

JEWELLERY.

	£	s.	d.
BROOCHES, solid gold, revolving, for two pictures or hair device, best quality, 2l. to ..	2	10	0
Best quality, gold plated, fitted with cameo on the reverse side, 8s. 6d., 10s. 6d., 12s. 6d. ..	1	1	0
Best quality gold plating, revolving, for two portraits, 4s. 6d., 6s., 7s. 6d., 9s. ..	0	10	6
Second quality plating, revolving, 2s. 6d., 3s. ..	0	3	6
Composition, revolving, 1s., 1s. 6d. ..	0	2	0
LOCKETS, single, oval, or round, 2s., 2s. 6d., 3s. 6d., 4s. 6d. ..	0	5	6
Ditto, small spring catch ..	0	5	6
BRACELETS, Hair, 4s. 6d., 6s., 8s. ..	0	10	0

A large assortment of the newest patterns kept in stock.

PASSE-PARTOUTS.

No.	Per Dozen. All Shapes same price.	2½ in. by 2 in.	3½ in. by 2½ in.	4½ in. by 3½ in.	5 in. by 4 in.	Half.		Whole.	
		s. d.	s. d.	s. d.	s. d.	s.	d.	s.	d.
1	Black ground, white or buff bevil, gold line	1 3	1 9	2 3	4 0	5	6	7	6
2	White ground, gold or buff bevil, and black line	1 5	2 0	2 6	4 6	6	6	8	6
3	White enamel ground, chamois bevil and line, two black lines and fillet	2 0	2 8	3 3	5 6	7	0	11	0
4	Dull gold ground, with burnished line	4 6	5 6	6 6	11 0	14	6	30	0
5	Black ground, porcelain bevil	2 3	2 9	3 6	5 6	7	6	12	0
6	White ground, with broad gold bevil, oval or cushion openings	4 9	5 6	7 0	10 0	14	0	19	0
7	Preserver Passe-partout, drab ground, with a metal preserver frame round it, and suspension ring	3 0	4 0	6 6					
FOR PAPER PHOTOGRAPHS.									
8	Rough white card-board, with large margins	2 4	3 6	4 3	5 9	8	0	10	6
9	Tinted card, with white inner circle, oval or cushion	6 0	6 6	9 0	12 6	18	0	22	0
10	Best quality, white ground, gold bevil line (<i>English</i>) .. .. .	..	..	7 6	9 6	14	0	18	0
RICH FANCY PASSE-PARTOUTS.									
11	Superior white or black, gold line, extra ornamented	5 0	6 0	7 6	11 6	14	6	26	0
12	White ground, gold bevil, fluted gold line, oval openings	6 0	8 0	9 0	14 0	17	0	30	6
13	Black ground, gold fluted line, and gold flower corners, oval openings	8 9	9 6	10 6	17 6	24	0	42	0
14	Gold ground, coloured flower corners, oval openings	10 0	11 6	12 6	19 0	27	0	36	0
15	Broad margin, rough gold ground with inner silver circle, well suited for either glass or paper pictures, oval openings	9 6	10 6	13 9	18 0	24	0	33	0

PASSE-PARTOUTS

FOR CARTE DE VISITE.

No.		s. d.	
1	White card ground, with gilt bevil and line, gold edging (<i>English</i>), per dozen	5	6
2	Ditto, broad margin	7	6
3	Tinted embossed card, with gold bevil	7	0
4	Gold ground, silver circle	10	6

MINIATURE CASES, TRAYS, &c.

No.	Per Dozen.	2½ in. by 2 in.	3½ in. by 2½ in.	4½ in. by 3½ in.	5 in. by 4 in.	Half.
ENGLISH CASES.						
All fitted complete with mats and glasses.						
1	CASES, lined with embossed velvet, gilt mats, and glasses	2 0	3 9	6 0	13 0	
2	Ditto, gilt edges	2 4	4 0	6 6	14 0	
3	Cotton velvet, gilt edges, plain leather outside, superior quality	3 0	5 0	8 6		
4	Ditto, silk velvet, gilt edges	4 6	7 0	10 6	19 0	
5	Ditto, best quality, plain silk velvet, American mats	6 0	9 6	13 6	24 0	36 0
6	Ditto, ditto, gilt edges	6 3	10 0	14 6	26 0	38 0
7	BOOK CASES, with clasp, silk velvet, gilt edges inside and outside, with American mats	7 6	11 0	15 6		
8	Ditto, plain outside, English mats	6 6	10 0	14 6		
9	DOUBLE CASES for two pictures	7 0	11 0	16 0	30 0	48 0
10	Best CASES, real morocco, spring catch, American mats	13 0	19 6	28 0	38 0	45 6
AMERICAN CASES						
(Without Fittings).						
11	AMERICAN CASES, embossed lids and back, best silk velvet, gilt inside and outside	6 6	9 0	16 0		
11*	Ditto, cotton velvet	4 6	5 6	9 6		
12	Ditto, best leather, real morocco, with raised embossed bands, gilt clasps	12 0	16 0	24 0	42 0	
13	UNION SQUARE CASES, with spring catch (<i>best</i>), each	1 4	1 7	2 6		
14	Ditto, the half-dozen	7 6	9 0	14 0		
15	Ditto, octagon shape, fitted complete, each	1 9	2 4			
16	CUPID POCKET-BOOK CASES, very neat and thin, each	1 2	1 9			
TRAYS.						
17	With rings, gilt edges, not fitted, in 3-dozen packets	1 9	2 8			
18	Ditto, fitted with rings, gilt edges, mats, and glasses, per gross	11 6	17 0	32 0		
19	Ditto, per dozen	1 0	1 6	2 9	6 0	10 6
20	Ditto, best leather, silk velvet, American mats	2 4	3 6	5 6	12 0	22 0
21	UNION TRAYS, made of the same material as the cases, empty	6 6	8 0	11 6		

PORTFOLIO CASES, with flaps and tuck cover, which turns back and forms a stand, oval embossed leather opening, fitted with bent glass, each, $\frac{1}{4}$ size, 3s. 10d.; $\frac{1}{2}$ size, 6s.; $\frac{3}{4}$ size 9 6

. For the convenience of our country friends, a sample of the English cases, $3\frac{1}{4} \times 2\frac{3}{4}$ inches, Nos. 1 to 10, will be forwarded on receipt of 8s.

MATS, PRESERVERS, & FRAMES.

When these articles are quoted at per gross, smaller quantities cannot be supplied at that rate.

		2½ in. by 2 in.	3½ in. by 2½ in.	4½ in. by 3½ in.	5 in. by 4 in.	6½ in. by 4½ in.	8 in. by 6½ in.
		s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
MATS.							
1	Gilt Mats, oval, cushion, or dome shape, per gross	2 9	3 10	7 6	21 0		
2	Ditto, per doz.	0 3	0 4	0 8	2 0	3 0	
3	Best plain <i>Frosted</i> Mats, per doz. ..	1 3	2 0	3 0	4 6	6 0	16 0
4	American thin stamped Mats, per doz. ..	0 7	0 10	1 8			
5	American Mats, with small beads round the opening, per doz. ..	0 10	1 4	1 9	3 0	4 6	24 0
6	Thick American Mats, stamped figures, or corded lines, per doz. ..	2 0	3 0	4 9			
7	German Mats, elegantly chased ..	2 6	5 0	6 6			
PRESERVERS.							
8	PRESERVERS (<i>good quality</i>), per gross ..	2 9	3 10	6 6	14 0		
9	Ditto, per doz.	0 3	0 4	0 8	1 4		
10	Best American Preservers, per gross ..	6 6	7 9	14 6	21 0	33 0	
11	Ditto, per dozen	0 8	0 9	1 4	2 0	3 0	8 0
FRAMES.							
12	Romaleian Frames, without mats or glasses, per doz.	2 9	4 6	6 6	10 6		
13	Gilt Ormolu, per doz.	3 6	6 6	8 6			
14	Oval velvet frame, silver and gilt edge, bent glass, complete, each ..	2 10	3 3	3 10	5 0	6 0	

FRAMES FOR PASSE-PARTOUTS.

No.	Per Dozen.	2½ in. by 2 in.	3½ in. by 2½ in.	4½ in. by 3½ in.	5 in. by 4 in.	Half.	Whole.	Extra.
		s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
1	Imitation Rosewood or Oak Frames, Renaissance pattern	2 10	3 6	3 9	4 6	6 6	9 6	14 0
2	Square gilt - moulding Frames (<i>new pattern</i>)	8 6	9 6	11 0	12 6			
3	Plain Square (<i>narrow</i>) gilt moulding Frame, with flower corners ..			21 6	24 6	33 0	40 0	50 0
4	Rustic, old oak, square	8 0	8 6	9 6	13 0	16 0	24 0	
5	Ditto, oval	9 0	10 0	11 0	14 6	21 0	30 0	
6	GERMAN STONE PASTE FRAMES, all brown	8 0	8 6	9 0	12 6	14 0	16 0	
7	Ditto, with gilt mouldings on a brown ground (<i>very superior</i>), each ..	1 4	1 6	1 9	2 0			
8	Ditto, oval, silver bronze, each ..	2 0	2 6	2 9	3 0	4 0	5 0	6 0
9	Ditto, gold, each	2 3	2 9	3 0	3 6	4 6	5 6	
10	Oval black polished frame, very neat, gold rim, per dozen ..	10 6	14 0	15 0	20 0	24 0		

SMALL (1-16) WHOLE-PLATE CASES, &c.

ALL FITTED COMPLETE WITH MATS, GLASSES, AND PRESERVERS.

	s.	d.
Cases, 1-16 size, $1\frac{1}{2} \times 1\frac{3}{8}$ inches, with mats, glasses, and preservers, per doz.	6	6
Ditto, with spring catch	12	0
Ditto, pocket-book (cupid cases)	12	6
Ditto, horn union, complete, each	1	4
1-16 Mats, American dotted	0	9
" stamped	0	6
1-16 Preservers, best American	0	8
" English	0	4
Whole plate leather cases, best quality, with mats and preservers, each	7	0
" Turkey morocco	9	6
" Cabinet cases, with back support, metal hinges	11	6
" union cases, fitted complete, each	14	0
Cases for four 1-9 pictures, fitted complete, each	3	6
Ditto, ditto for 6 pictures	5	6
CARTE DE VISITE CASES, lined with silk velvet and gilt snap, fitted with mat and glass, per doz.	14	0
Ditto, double for two Pictures, per doz.	16	0

PHOTOGRAPHIC COLOURS,

DRY-POWDER COLOURS.

	£	s.	d.
Newman's Colours, for tinting collodion and daguerreotype pictures, in boxes containing 9 colours, 6 brushes, and gold shell	0	10	6
Ditto, with lock and key, 12 colours and two shells	1	0	0
" " 18 " " " "	1	5	0
" " 24 " " " "	1	10	0
" " 36 " " " "	2	0	0

Black	Complexion 1, 2, 3	Horizon	Pink	White
Blue 1, 2, 3	Damask	Lavender	Plum	White (Satin)
Brown 1, 2, 3	Distance	Lips	Puce	Violet
Carmine	Flesh 1, 2, 3, 4	Mauve	Rose	Yellow 1, 2, 3
Carnation	Green 1, 2, 3, 4	Orange	Scarlet	Yellow (golden)
Claret	Grey 1, 2, 3	Peach	Solarization	

Single colours in small bottles, 1s.; half-dozen, 5s.; one dozen, 9s.

The above colours may be had of an inferior quality at 6d. each, or in boxes containing six colours and brushes, gold and silver shells, 5s.

WATER-COLOURS FOR PAPER PHOTOGRAPHS.

	s.	d.	s.	d.
Sliding-top boxes, 12 colours and brushes	7	0	9	0
" 18 " "	10	6	13	0
" 24 " "	14	0	18	0

			s.	d.	s.	d.
Boxes with lock,	12	colours	10	6	12	6
"	18	"	14	0	18	0
"	24	"	18	0	25	0

Cakes of colours from 6d. to 1s. each. The higher prices in the second column are caused by more expensive, but necessary, colours and brushes.

Camel-hair brushes ..	per doz.	1s. 6d. to	2	0
Sable ..	"	"	4	0
Dusting ..	"	"	4	0
Gold and silver shells or cups ..	"	"	4	0
Elastic bottle, for removing superfluous colour, each ..	"	"	1	4

Newman's colouring varnish, 1s. 6d. and 3s. per bottle.

" penetrating varnish for non-inverted positives, per bottle, 1s. 6d. and 3s.

Newman's preparation for sizing paper, per bottle, 1s. and 1s. 6d.

Alabastrine varnish, 2 oz. bottles, 1s. This varnish is suited for ordinary positives as well as alabastrine pictures, and gives a surface well adapted for colouring.

GLASS PLATES.

	Common Crown.*	Best Flatted Crown.†	Best Selected	Opal glass.	Purple glass.
	Per gross.	Per doz.	Patent Plate.	Per doz.	Per doz.
	s. d.	s. d.	Per doz.	s. d.	s. d.
2½ × 2 inches ..	0 10	0 2	0 9	1 4	0 6
3¼ × 2½ " ..	1 6	0 4	1 2	2 3	0 11
4 × 3 " ..	2 6	0 6	1 7	3 9	1 4
4½ × 3¼ " ..	2 6	0 6	1 9	3 9	1 4
5½ × 3½ " ..	..	0 10	2 3	..	..
5 × 4 " ..	..	0 10	2 6	..	..
6¼ × 3½ " ..	..	1 0	3 0	..	..
6 × 5 " ..	..	1 4	4 0	..	..
6½ × 4½ " ..	..	1 4	4 0	..	..
9 × 4½ " ..	..	..	6 0	..	..
8½ × 6½ " ..	..	2 6	7 0	..	..
9 × 7 " ..	..	..	8 0	..	..
10 × 8 " ..	..	..	12 0	..	..
12 × 10 " ..	..	..	20 0	..	..

METAL PLATES, TALC, &c.

Per dozen.	Niello Paper.	Mica.	Metal Plates.	Transfer Cloth.	American Muslin.
	s. d.	s. d.	s. d.	s. d.	s. d.
2½ × 2 inches ..	1 9	1 0	1 4	0 3	1 0
3¼ × 2½ " ..	2 3	2 0	..	0 6	1 9
4½ × 3¼ " ..	3 3	..	..	0 9	3 0

Many articles have been brought into notice for positive pictures in the place of glass, for the purpose of mounting in brooches, locketts, &c.: they all possess some important peculiarities; the best for the purpose that has been introduced is the

* The common crown is sent out in its uncleaned state, and cannot be supplied in smaller quantities than one gross.

† Recommended for general use.

NIELLO PAPER: it is perfectly harmless to any silver bath, and is of a uniform, even surface; it, moreover, can be cut with a pair of scissors, without fear of chipping the edge of the picture.

MICA is sometimes used on account of its cheapness, but the imperfections of its surface render it a poor substitute for glass: it, however, will do extremely well for small photographs if in the hands of a skilful operator.

The Patentee having relinquished the manufacture of the iron tablets, they no longer can be supplied, except of the small size, which are imported from America, and are of a superior quality to the English make.

AMERICAN MUSLIN AND TRANSFER CLOTH are employed for transferring pictures from a glass positive. See the *Compendium of Photography*, 5th edition.

STEREOSCOPIC AND CARTE DE VISITE MOUNTS.

			s.	d.
Stereoscopic Passe-Partouts, plain, per doz.	..	..	2	3
Ditto, gold fillet	..	..	2	9
Ditto, Gold ground and black borders, per doz.	..	..	6	0
Ditto, Card mounts, drab tint, per doz.	..	..	0	6
Ditto, ditto, per gross	..	..	4	0
Ditto, Best enamel	..	..	4	6
Ditto, ditto per doz.	..	..	0	6
Ditto, Perforated cards with embossed edges, for mounting transparencies	..	..	12	6
LEATHER SLIPS to carry the Carte de Visite Portraits, made with folding				
back and cover (Registered), per dozen	..	..	18	0
Ditto, plain, for 1 picture, per dozen	..	..	10	6
" 2 "	..	..	16	0
" 3 "	..	..	24	0
" 4 "	..	..	36	0

PREPARED SENSITIVE PLATES.

Per dozen.	Oxymel.		Collodio-Albumen.		Hill Norris' Dry Plates.		Fothergill's Process.	
	£	s. d.	£	s. d.	£	s. d.	£	s. d.
4 $\frac{1}{4}$ x 3 $\frac{1}{4}$ inches	0	4 0	0	5 0	0	5 0	0	4 6
5 x 4 "	0	5 0	0	6 3	0	6 8	0	5 6
6 $\frac{1}{2}$ x 4 $\frac{3}{4}$ "	0	7 4	0	9 0	0	10 0	0	8 0
8 " 6 "	0	12 6	0	15 0	0	16 0	0	14 0
8 $\frac{1}{2}$ " 6 $\frac{1}{2}$ "	0	13 4	0	17 0	0	18 0	0	15 6
9 " 7 "	0	17 0	1	1 0	1	1 0	0	19 0
10 " 8 "	1	3 0	1	10 0	1	6 8	1	6 0
12 " 10 "	1	13 6	2	2 0	2	0 0	1	16 0
Stereoscopic	0	5 6	0	7 0	0	8 9	0	6 0

These plates are ready for exposure in the camera, and carefully packed in light tight cases if plate boxes are required for them (see page 13); Collodio-albumen plates, not sensitized for exportation, same price as Fothergill's plates.

ADAMANTINE FILES, for removing the edges of glass plates; 1s. each.

MOUNTING BOARDS.

White or tinted cardboards, for mounting paper photographs, 22 × 17 inches, per dozen, (three sheet)	s. d.
.....	6 0
Ditto, (six sheet)	12 0
Ditto, 20 × 15 inches, (three sheet)	5 0
Perforated with openings for show-frames, any size to order, either with or without glass.	

PURE CHEMICALS AND PHOTOGRAPHIC PREPARATIONS.

F. J. COX gives especial attention to this department, and can speak positively to these Chemicals as being perfectly free from impurities, and of uniform strength and character.

	oz.	lb.		oz.	lb.
	s. d.	s. d.		s. d.	s. d.
Acid, acetic	0 2	1 3	Chloroform	0 10	8 6
„ „ glacial	0 4	4 0	Collodion, Fisher's negative	0 9	10 0
„ „ „ solid at 50°	0 8	7 6	„ „ Fisher's positive	0 8	9 0
„ benzoic	2 0		„ „ expressly for the		
„ citric	0 4	4 6	„ dry process	0 9	10 0
„ formic	0 3	3 6	Cotton wool	0 3	3 0
„ gallic	1 0	14 0	Developing solution for po-		
„ hydrochloric	0 3	1 0	sitives, per pint 9d.		
„ nitric, 1·450	0 2	1 3	„ for negatives, pint,		
„ „ 1·500	0 3	2 6	1s. 6d.		
„ pyrogallie, per dr. 9d.	4 9	66 0	„ for dry process,		
„ sulphuric, common		0 2	pint, 1s. 6d.		
„ „ pure	0 2	1 0	Dextrose for mounting paper		
„ succenic	4 0		pictures	0 2	1 6
„ tannic	1 0	12 0	Ether, sulphuric, 750	0 6	6 0
Alabastrine solution, for			„ absolute	0 8	7 6
whitening positives, per			„ methylated	0 3	3 0
bottle, 4 oz. 1s.			„ pyroligneous for burn-		
Albumen, iodized, 4 oz. bot-			ing, per pint 1s. 6d.		
tle 1s. 6d.			Fixing solution for positives,		
Ammonia, pure	0 2	1 6	per pint 6d.		
„ hydro-sulphide	0 4	4 0	Gelatine, pure	0 4	4 0
„ muriate	0 2	1 9	Glycerine	0 4	4 0
Ammonium, bromide	2 6	30 0	Gold, chloride, in 1 drachm		
„ „ iodide	2 3	24 0	bottles 2s. 6d.		
Barium, chloride	0 2	1 9	„ in 1 drachm bottle 8s. 6d.		
„ „ iodide	3 6	40 0	„ salt of sel d'or „ 3s ..		
Baryta, nitrate pure	0 2	1 4	„ solution for toning bath	0 9	
Benzole, pure	0 4	4 0	Gun cotton, for making col-		
Cadmium, bromide	2 6	30 0	lodon	2 0	24 0
„ „ chloride	2 0	24 0	„ paper	3 0	36 0
„ „ iodide	2 0	24 0	Iodine, pure re-sublimed ..	2 0	20 0
Calcium, bromide	3 0	36 0	„ tincture	0 4	
Charcoal, animal, pure	0 3	2 9	Iron, pro-sulphate, pure ..	0 1	0 6

	per oz.		per lb.			per oz.		per lb.	
	s.	d.	s.	d.		s.	d.	s.	d.
Iron, iodide, per bottle 1s.	2	0			Silver bath for negatives,				
Kaolin, pure washed ..	0	3	2	6	per pint 7s. 6d.	0	5		
Lead, acetate ..	0	3	3	0	„ bath, acetic, for dry				
„ nitrate ..	0	3	2	6	process, per pint 8s. 6d.	0	6		
Lime, bromide ..	1	6			Soda, hypo-sulphite ..	0	1	0	6
Litmus paper, book 2d.					„ acetate ..	0	4	4	0
Magnesia, nitrate ..	0	6	5	6	„ carbonate ..	0	2	1	9
Mercury ..	0	3	2	6	„ phosphate ..	0	3	2	9
„ bi-chloride ..	0	6	5	0	Sodium, chloride ..	0	2	2	0
Oxymel, pint in bottle 2s.					Sugar of milk ..	0	3	3	0
Palladium, chloride solution	2	6			Tripoli, prepared for glass				
Potass, bichromate..	0	2	2	0	plates ..	0	3	2	6
„ caustic ..	0	4	4	0	Uranium, nitrate ..	2	0		
„ nitrate, pure ..	0	2	1	3	Varnish, alabastrine, per				
Potassium, bromide ..	1	6	20	0	bottle 1s.				
„ cyanide..	0	3	3	6	„ amber in chloroform	1	0	10	6
„ ferrocyanite ..	0	3	3	6	„ crystal in 3 oz. bot. 1s.	0	4	4	6
„ ferridcyanide ..	0	4	4	0	„ jet, warranted not to				
„ fluoride..	2	6			crack, 6d. and 1s.				
„ iodide ..	1	6	20	0	bottle				
Silver, ammoniacal nitrate	1	0			„ Bate's black, 6d. bot.				
„ iodide ..	7	0			„ American, 1s. 6d. bot.				
„ double iodide for paper	1	6			„ French spirit, 1s. 6d.				
„ nitrate, crystallized,					bottle ..			7	6
pure, (see wrapper) ..	4	0	57	4	Water, distilled, gallon 6d.				
„ re - crystallized and					White wax ..	0	3	3	0
fused for negative bath	4	6	65	4	Zinc, nitrate ..	0	6	5	6
Silver bath, ready for use,					„ chloride ..	0	4	4	0
per pint 7s. 6d.	0	5							

Where the price is quoted at per lb. a smaller quantity cannot be supplied at the same rate, these prices having been calculated on that condition for the accommodation of large consumers only.

STOPPERED BOTTLES FOR CHEMICALS.

	White glass. Narrow mouth.		White glass. Wide mouth.		Green glass. Narrow mouth.		Green glass. Wide mouth.	
	s.	d.	s.	d.	s.	d.	s.	d.
Half Ounce	0	4	0	6				
One Ounce	0	4	0	6				
Two Ounce	0	6	0	7				
Four Ounce	0	6	0	8				
Five Ounce	0	6	0	10	0	6	0	6
Ten Ounce	0	9	1	0	0	6	0	6
Twenty Ounce	1	0	1	6	0	6	0	8
Forty Ounce	2	0	2	6	0	9	0	10
Plain bottles for corks, 1 or 2 oz., each							0	1
„ „ 4 to 6 oz., each							0	2
„ „ 10 to 20 oz., each							0	3

* * Half price allowed for returned bottles, if sound, and bearing their original labels.

Fifth Edition, price 6d. Post free, 7d.

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